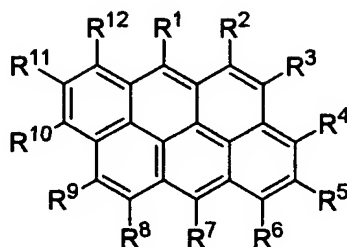


CLAIMS

1. A organic luminescent material comprising compounds of the following structure:

5

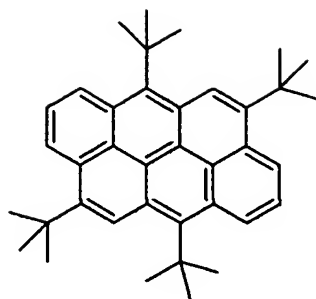


wherein:

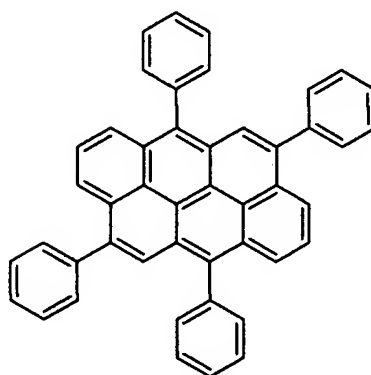
R¹, R², R³, R⁴, R⁵, R⁶, R⁷, R⁸, R⁹, R¹⁰, R¹¹, and R¹² are individual groups, and at least one group is not hydrogen among the R¹, R³, R⁷, and R⁹ groups.

- 10 2. The material according to claim 1, wherein the individual groups consist of hydrogen, or alkyl of from 1 to 48 carbon atoms, and R₂ and R₃, R₅ and R₆, R₈ and R₉, R₁₁ and R₁₂ can connect to form 5 or 6 member ring system.
3. The material according to claim 1, wherein the individual groups consists of aryl or substituted aryl of from 5 to 48 carbon atoms, or 4 to 48 carbon atoms necessary to
15 complete a fused aromatic ring of naphthenyl, anthracenyl, pyrenyl, or perylenyl.

4. The material according to claim 1, wherein the individual groups consists of heteroaryl or substituted heteroaryl of from 5 to 24 carbon atoms, or 4 to 48 carbon atoms necessary to complete a fused heteroaromatic ring of furyl, thienyl, pyridyl, quinolinyl and other heterocyclic systems.
5. The material according to claim 1, wherein the individual groups consists of alkoxy, amino, alkyl amino, aryl amino dialkyl amino, or diaryl amino of from 1 to 24 carbon atoms.
6. The material according to claim 1, wherein the individual groups consists of F, Cl, Br, I, CN, NCS, NCO, B(OH)₂, B(OCH₂CH₂O), B[OC(CH₃)₂C(CH₃)₂O], SO₂ R¹³, SO₃ R¹⁴, SO₂NR₂, SiR₃, SiHR₂, SiR₂OH, where R, R¹³ and R¹⁴ is hydrogen, chlorine, bromine, alkyl group containing 1-12 carbon atoms, and aryl.
7. The material according to claim 1, wherein the individual groups consists of a group of formula – L(CH₂)R¹⁵ where n is 0 to 12, R¹⁵ is a hydrogen, hydroxy, amino, alkylamino, arylamino, dialkylamino, –COR¹⁶ or –COOR¹⁷ where R¹⁶ is a hydrogen, chlorine, COCl, alkyl group containing 1-12 carbon atoms, –NR₂, –NHR or aryl and R¹⁷ is a hydrogen, alkyl group containing 1-12 carbon atoms, aryl, COR, 2,4-dinitrophenyl, N-imido or –NR₂ and L is a direct bond or C=O.
8. The material according to claim 1, wherein said compound is:

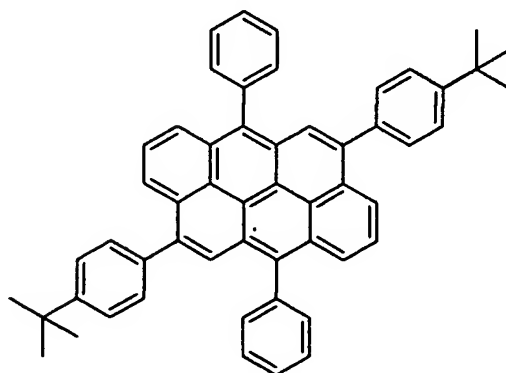


9. The material according to claim 1, wherein said compound is:



5

10. The material according to claim 1, wherein said compound is:



11. The material according to claim 1, wherein said compound is:

